	Application No.	Applicant(s)
Notice of Allowability	10/601,397	CHAUDHARI ET AL.
	Examiner	Art Unit
	Wesley L. Kim	2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *7/8/05*.

2. ☒ The allowed claim(s) is/are *1, 6-15, 18-28*.

3. ☒ The drawings filed on *23 June 2003* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

    Paper No./Mail Date _____.

  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

Allowable Subject Matter

1. Claims 1, 6-15, 18-28 allowed.

The following is an examiner's statement of reasons for allowance:

Independent Claim 1 establishes: creating policy based service objects

using core network information, service capability features, and the business

relationship with the third party, the policy based service objects being created by

the mobile service provider, the service objects once created being made

available to the third party for service creation;

creating services using at least one of the created service objects, the

services being created by the third party, and the service being added to a list of

services wherein the third party customizes the services as per subscriber

profiles by specifying values to variables in the service object, the subscriber

profiles including information about the plurality of mobile users;

the mobile user customizing the subscribed service by overwriting at least

one variable, the variables defining the subscribed service. These limitations are

neither disclosed or suggested in the prior art of record or newly cited references

of Wake et al (U.S. Pub. 2004/0043753A1) and Wang (U.S. Pub.

2004/0203630A1).

Wake's patent publication provides a method and a system used for billing

a user of a wireless device for the use of services hosted by third parties.

However, unlike the present patent application, Wake's publication does not

disclose service objects that are created by the mobile service provider. The created service objects are used for creating services by the mobile service provider in collaboration with the third party. Further, unlike the present patent application, Wake's publication does not disclose the customization of the service by the mobile user. The user of a wireless device in Wake's publication can only choose the available services and cannot customize the service.

Wang's patent publication provides a method and apparatus for providing personalized content based on the preference of a user of a mobile device, time of access, and location of the user. However, unlike the present patent application, Wang's publication does not disclose the concept of service objects that are created by the mobile service provider. Also, Wang does not disclose creation of service based on the service objects, by the mobile service providers in collaboration with the third parties. The user of a mobile device in Wang's publication is provided with the relevant information. However, unlike the present patent application, the user of the mobile device in Wang's publication cannot customize the service by changing parameters related to the service. The user of the mobile device in Wang's application can only select from the available list of the services, and cannot customize a service as per his/her requirement.

Independent Claim 14 establishes: a context server for maintaining information about the system, wherein the context server comprises: i. Means for collecting status information about a user; ii. means for collecting status information about user devices; iii. Means for collecting status information about

network elements; and iv. Means for collecting status information about applications enabling services. These limitations are neither disclosed or suggested in the prior art of record or newly cited references of Wang (U.S. Pub. 2004/0203630A1) and Ginzboorg et al (U.S. Patent 6047051).

Wang teaches a method and apparatus for providing personalized content based on the preference of a user of a mobile device, time of access, and location of the user and further teaches a context server, a meta directory, a service catalog, and an intermediation gateway, however there is no mention of a business gateway or a meta controller. Wang does not teach the context server to comprise i. Means for collecting status information about a user; ii. means for collecting status information about user devices; iii. Means for collecting status information about network elements; and iv. Means for collecting status information about applications enabling services.

Ginzboorg teaches charging in a telecommunications system including customer terminals used by customers for ordering services and servers for providing services to customers through implementation of a business gateway, meta controller, context server, meta directory, and service catalog, however there is no mention of the context server comprising i. Means for collecting status information about a user; ii. means for collecting status information about user devices; iii. Means for collecting status information about network elements; and iv. Means for collecting status information about applications enabling services.

Independent Claim 24 establishes: a meta directory for storing the core

network information, the core network information being needed for creation and

delivery of services, wherein the meta directory comprises: i. A service directory

for storing service objects created by the mobile service provider; ii. A policy

repository for storing policy rules created by the mobile service provider; iii. A

business rules repository for storing rules decided on the basis of business

relationships between the mobile service provider and third party; iv. A device

profile database for storing details of user devices; v. an application profile for

storing details of the different applications that implement services; and vi. A

subscriber profile for storing information about users subscribed for various

services.

Wang teaches a method and apparatus for providing personalized content

based on the preference of a user of a mobile device, time of access, and

location of the user and further teaches a context server, a meta directory, a

service catalog, and an intermediation gateway, however Wang does not teach

the meta directory to comprise: i. A service directory for storing service objects

created by the mobile service provider; ii. A policy repository for storing policy

rules created by the mobile service provider; iii. A business rules repository for

storing rules decided on the basis of business relationships between the mobile

service provider and third party; iv. A device profile database for storing details of

user devices; v. an application profile for storing details of the different

applications that implement services; and vi. A subscriber profile for storing information about users subscribed for various services.

Ginzboorg teaches charging in a telecommunications system including customer terminals used by customers for ordering services and servers for providing services to customers through implementation of a business gateway, meta controller, context server, meta directory, and service catalog, however there is no mention of the meta directory comprising: i. A service directory for storing service objects created by the mobile service provider; ii. A policy repository for storing policy rules created by the mobile service provider; iii. A business rules repository for storing rules decided on the basis of business relationships between the mobile service provider and third party; iv. A device profile database for storing details of user devices; v. an application profile for storing details of the different applications that implement services; and vi. A subscriber profile for storing information about users subscribed for various services.

2. Dependent claims 6-13,15-23, 25-28, are allowed as being dependent on independent claims 1, 14, and 24.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- U.S. Patent 6829474B1, Adachi; System for providing Multimedia Value-Added Services.

- U.S. Patent 5754772, Leaf; Transaction Service Independent HTTP Server-To-Transaction Gateway.

- U.S. Pub. 2002/0007462A1, Omata, User Authentication System.

- Telecommunications in Modern Satellite, Cable, and Broadcasting Services, 1999. 4th International Conference on Volume: 2,13-15 Oct. 1999 pg.677-680, Vol.2.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wesley L. Kim whose telephone number is 571-272-7867. The examiner can normally be reached on Monday-Friday 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

WLK

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